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Balancing Body, Mind and Spirit with Pure Essential Oils

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## Petitgrain Bigarade

*Citrus aurantium*

Batch No. IT-58700

India

Monoterpenes	16.17%
$\alpha$ terpineol	5.71
myrcene	3.07
(E) $\beta$ ocimene	2.63
limonene	1.30
$\beta$ pinene	1.17
(Z) $\beta$ ocimene	0.53
terpinolene	0.47
allo-ocimene	0.45
$\delta$ 3 carene	0.30
sabinene	0.20
$\alpha$ pinene	0.11
terpinen-4-ol	0.09
$\gamma$ terpinene	0.04
$\alpha$ phellandrene	0.04
$\alpha$ terpinene	0.03
para-cymene	0.02
$\alpha$ thujene	0.01

Aldehydes	0.07%
geranial	0.04
citral	0.03

Ethers	0.01%
caryophyllene oxide	0.01

Esters	58.03%
linalyl acetate	49.95
geranyl acetate	4.93
neryl acetate	3.01
$\alpha$ terpinyl acetate	0.12
linalyl propionate	0.02

Sesquiterpenes	1.28%
$\beta$ caryophyllene	0.81
$\delta$ elemene	0.19
bicyclogermacrene	0.11
$\beta$ elemene	0.08
$\alpha$ humulene	0.07
$\delta$ cadinene	0.02

Other	0.01%
mint sulfide	0.01

Monoterpenols	23.94%
linalol	22.86
nerol	1.04
cis-linalool oxide	0.04

Raw Material: Petitgrain

INCI Name: Petitgrain bigarade

Production Method: Steam distilled, Leaves

Analyzed: 11/22/2019

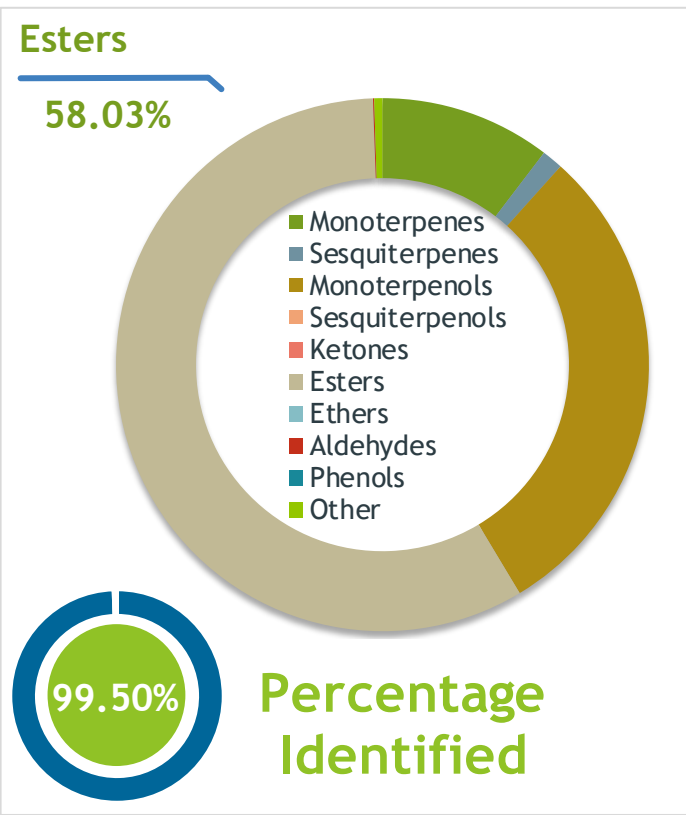
**Client**  **Source** 

*Petitgrain Bigarade (Citrus aurantium)*  
IT-58700

**Sample** **Petitgrain Bigarade (Citrus aurantium)**  
 Batch #:..... IT-58700  
 Type:..... Essential Oil  
 CAS Number:... 8014-17-3  
**Nature's Gift**

**Client**  **Website** 

**Primary**  
**49.95%** | Linalyl acetate  
**22.86%** | Linalool  
**5.71%** | alpha-Terpineol



**Result** 

**Conclusion**  
 No adulterants, Diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine Essential Oil of Petitgrain Bigarade (Citrus aurantium)  
 Internal Number: | EVS-1918

  
**Essential Validation Services**  
 747 SW 2nd Ave IMB 12 Suite 306  
 Gainesville, FL 32601  
 317.361.5044 |  
<https://essentialvalidationservices.com/>  
 adam@essentialvalidationservices.com  


Monoterpenes	10.	10.37%
Sesquiterpenes		1.28%
Monoterpenols	29.74%	29.74%
Sesquiterpenols		0.00%
Ketones		0.00%
Esters	58.03%	58.03%
Ethers		0.01%
Aldehydes		0.07%
Phenols		0.00%
Other		0.50%

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Client



Source

Petitgrain Bigarade (*Citrus aurantium*)

IT-58700

Total Percentage		99.50%		
Number	RT	Area %	Compound Name	Chemical Family
1	11.40	0.01%	alpha-Thujene	Monoterpene
2	11.64	0.11%	alpha-Pinene	Monoterpene
3	13.17	0.20%	Sabinene	Monoterpene
4	13.28	1.17%	beta-Pinene	Monoterpene
5	13.86	3.07%	Myrcene	Monoterpene
6	14.35	0.04%	alpha-Phellandrene	Monoterpene
7	14.58	0.30%	delta-3-Carene	Monoterpene
8	14.84	0.03%	alpha-Terpinene	Monoterpene
9	15.15	0.02%	para-Cymene	Monoterpene
10	15.29	1.30%	Limonene	Monoterpene
11	15.65	0.53%	(Z)-beta-Ocimene	Monoterpene
12	16.04	2.63%	(E)-beta-Ocimene	Monoterpene
13	16.45	0.04%	gamma-Terpinene	Monoterpene
14	16.97	0.04%	cis-Linalool oxide (5) (furanoid)	Monoterpenol
15	17.57	0.47%	Terpinolene	Monoterpene
16	18.04	22.86%	Linalool	Monoterpenol
17	19.01	0.45%	Alloocimene	Monoterpene
18	20.77	0.09%	Terpine-4-ol	Monoterpenol
19	21.23	5.71%	alpha-Terpineol	Monoterpenol
20	22.44	1.04%	Nerol	Monoterpenol
21	22.88	0.03%	Citral	Monoterpene Aldehyde
22	23.39	49.95%	Linalyl acetate	Monoterpene Ester
23	23.83	0.04%	Geranial	Monoterpene Aldehyde
24	25.84	0.02%	Linalyl propionate	Monoterpene Ester
25	25.98	0.19%	delta-Elemene	Sesquiterpene
26	26.31	0.12%	alpha-Terpinyl acetate	Monoterpene Ester
27	26.66	3.01%	Neryl Acetate	Monoterpene Ester
28	27.23	4.93%	Geranyl acetate	Monoterpene Ester
29	27.50	0.08%	beta-Elemene	Sesquiterpene
30	28.54	0.81%	beta-Caryophyllene	Sesquiterpene
31	29.53	0.07%	alpha-Humulene	Sesquiterpene
32	30.73	0.11%	Bicyclogermacrene	Sesquiterpene
33	31.41	0.02%	delta-Cadinene	Sesquiterpene
34	33.14	0.01%	Caryophyllene oxide	Sesquiterpene Ether
35	37.13	0.01%	Mint sulfide	

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